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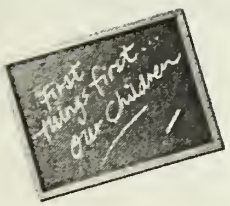
Curriculum Handbook *for* **Parents**

1999–2000

Catholic School Version

SENIOR HIGH SCHOOL



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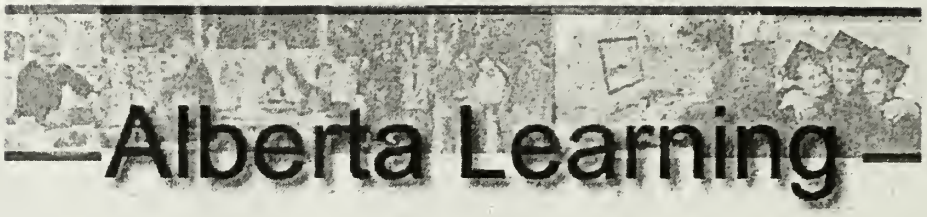

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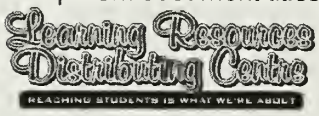

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Curriculum Handbook *for* **Parents**

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Catholic School Version

SENIOR HIGH SCHOOL

Table of *Contents*

Message from the Minister of Learning ..... *iii*
Letter from Archbishop Collins ..... *iv*
Introduction to the Senior High School Curriculum
Handbook for Parents ..... *v*
Guidance and Counselling ..... *v*
Special Needs ..... *v*
Post-secondary Education ..... *vi*
Program Overview *1*
Courses, Numbers and Sequences *1*
Alberta High School Diploma Program *2*
Provincial Diploma Examinations
Alberta High School Diploma Requirements *3*
Immersion/Bilingual Programs *3*
Certificate of Achievement Program *4*
Instructions for Completing the Senior High School Program Planner *5*
Senior High School Program Planner *6*
Off-campus Education *7*
Registered Apprenticeship Program *7*
Distance Learning *7*
Post-secondary Information *8*
Admissions, Scholarships, Financial Assistance
Senior High School Programs of Study *9*
Religious Education *9*
Core (Required) Courses *11*
English Language Arts *12*
Mathematics *14*
Science *19*
Social Studies *23*
Career and Life Management 20 ..... *26*
Physical Education *27*
Information and Communication Technology *27*
Personal and Career Development *28*
Optional Courses *28*
Career and Technology Studies *28*
Fine Arts *30*
Physical Education 20–30 ..... *32*
Second Languages *32*
Frequently Asked Questions *35*
Feedback *37*

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Message from the
Minister of Learning

High school represents the time when young people begin to take on the responsibilities of adulthood. As students move through high school, they are faced with decisions that will determine future opportunities and endeavours.

While students are at the centre of the education system, parents are vital partners. Your involvement in your son's or daughter's education is critical to his or her success. The *Curriculum Handbook for Parents: Senior High School* outlines the different options students can choose to best suit their future needs. I hope this handbook will be one basis on which you and your children discuss what course of action they should take to achieve their goals.

When you know what is expected at school, you can provide the home support your children need. By reading about what they are learning at school and discussing it at home, you are sending a very important message to your children—that you value education. As well, I encourage you to continue working closely with their teachers who can provide you with invaluable information and guidance.

Education is a fundamental part of the Alberta Advantage, and government's goal is for Alberta to have the best-educated students in the world. We can accomplish this only one way—by working *together*. We are all partners in education—parents, teachers, trustees, administrators, community members—and we must work to address issues and help ensure Alberta students acquire the knowledge and skills they need for a successful future.

Our children are our future, and our most important investment.

Dr. Lyle Oberg
M.L.A. Strathmore-Brooks
Minister of Learning

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Dear Parents and Guardians:

On behalf of the Catholic Bishops of Alberta, I welcome this opportunity to affirm you in your role as parents in the education of your children and wish to express my appreciation to the Government of Alberta and Alberta Learning for this 'Curriculum Handbook for Parents'.

The Church has always recognized with confidence that you, parents, are the first and primary educators of your children, especially with regards to education in the faith. This is a noble, yet, challenging calling that is rightfully yours. Today, therefore, because of the many diverse pressures and influences on our children, your role is vital in working with our schools to continue to provide the best possible education for our children. To those of you who have entrusted your children to a Catholic school be assured that it is with great respect for these facts that we support you in your role. I encourage you to work closely with our Catholic schools by joining your local school councils or parent groups. Be a strong voice for the Catholic identity of schools. In this regard, you will share in a concrete and invaluable way in the central mission of the Church which is to proclaim Jesus and his Gospel in the world today and, in so doing, hand on our faith to our children.

I commend Alberta Learning for providing parents with this practical Curriculum Handbook. It is a clear presentation of what parents can expect of our Alberta schools, Public and Catholic, and by its very existence also acknowledges how important you are as parents in your children's education. In it, you will find a comprehensive presentation of the content and expectations of the Religious Education Program written and approved by the Canadian Conference of Catholic Bishops. It reflects the essential character of Catholic schools as communities of learning where as an old friend wrote, "... God, God's truth and God's life are integrated into the entire syllabus, curriculum and life of the school."

+Thomas Collins

Thomas Collins
Archbishop of Edmonton
President, Alberta Conference of Catholic Bishops

Edmonton, August 16, 1999

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Introduction to the Senior High School Curriculum Handbook for Parents

This handbook provides parents with information on the knowledge, skills and attitudes students in Alberta are expected to be able to demonstrate when they have completed their senior high school programs. This handbook includes the major topics that students study in each subject, and is based on Alberta Learning's *Program of Studies: Senior High School* and related curriculum documents. A print copy of the *Program of Studies* is kept in all Alberta senior high schools, and electronic copies of individual courses and programs are available for viewing and downloading from the Alberta Learning web site.

Students in Alberta have the opportunity to acquire the knowledge, skills and attitudes needed to be self-reliant, responsible, caring and contributing members of society. They are expected to assume an ever-increasing level of responsibility for their learning as they progress through senior high school.

Guidance and Counselling

Schools and school jurisdictions offer a comprehensive guidance and counselling program for helping individual students meet their growth and developmental needs—educational, personal, social and career. This collaborative program involves the school counsellor and other school staff and is based on a close partnership among school, home and community. Parents are encouraged to consult with school counselling staff regarding the needs of their children.

Special Needs

School boards are responsible for meeting the special needs of their students. If you think that your child may have special needs, talk to the teachers or the school counsellor. A general overview of how parents can be involved in the education of their children is provided in the information booklet *Partners During Changing Times*. This booklet is available for viewing on the Alberta Learning web site. Another resource, *The Parent Advantage*, offers tips and strategies to assist parents in helping their children at home with their school work. This booklet is available for purchase from the Learning Resources Distributing Centre.

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Post-secondary Education

At each grade level, students select courses to meet graduation requirements and build toward their future plans for further education and work/career goals. A senior high school diploma does not guarantee entrance into post-secondary programs. **Students wishing to apply for post-secondary educational programs should begin early to make themselves aware of the entrance requirements, application deadlines and sources of funding at the institutions of their choice.**

The Catholic Schools of Alberta offer students the opportunity to receive an education within the context of the Catholic culture. In addition to the Religious Studies curriculum, Catholic values and attitudes permeate every aspect of the school life: all classroom instruction, extracurricular programs and school celebrations.

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Program Overview

In Alberta, the senior high school program is organized into three years of study, Grade 10 through Grade 12. Some students may take more, or less, than three years to complete their senior high school program. Students are required to stay in school up to age 16.

The Minister of Learning prescribes the graduation requirements for senior high school students, as well as the outcomes that students are expected to achieve in each subject area, through documents called programs of study.

Programs of study are prepared in consultation with classroom teachers, school principals, students, parents, people from business and industry, other community members, superintendents of schools, school trustees, educational associations, post-secondary institutions, and other government departments. Alberta also is working with other provinces and territories, through the Western Canadian Protocol and Pan-Canadian Protocol for Collaboration on School Curriculum, to develop common learning outcomes for students. School boards and their staff determine the teaching methods and materials to be used in helping students achieve the outcomes in the provincial programs of study. Teachers regularly assess student progress and report to students, parents and school administrators.

Catholic high schools offer Religious Studies 15–25–35 within all programs. The credits earned from Religious Studies courses may be applied toward an Alberta High School Diploma or a Certificate of Achievement.

Courses, Numbers and Sequences

Senior high school course numbers usually designate the grade level as well as the level of academic challenge. The numbers 10–19 designate Grade 10 courses, while the numbers 20–29 designate Grade 11 courses. The Grade 12 courses are designated by the numbers 30–39. Students may choose from alternative course sequences to meet the graduation requirements.

Courses numbered 10–20–30–31 are designed primarily for students planning on entering a university or particular programs in colleges and technical schools.

Courses numbered 13–23–33 are designed primarily for students planning on entering some programs in colleges, technical and trade schools or entering the work force.

Courses numbered 14–24 are designed primarily for students whose success in mathematics and/or science has been limited. Students taking these courses may be eligible for non-technical programs at post-secondary institutions.

Courses numbered 15–25–35 are locally developed.

Courses numbered 16–26–36 are designated for students entering the Integrated Occupational Program.

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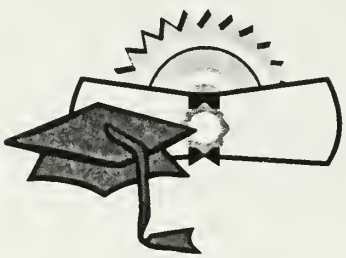
Most high school courses are offered for 3, 4 or 5 credits. A credit represents the knowledge, skills and attitudes that most students can achieve with approximately 25 hours of instruction.

Students may graduate from senior high school with an Alberta High School Diploma or a Certificate of Achievement—Integrated Occupational Program.

Planning for a student's senior high school experience and course selections should involve parents, the school counsellor and/or teachers, and the student. Planning should be based upon student achievement, realistic assessment of ability, and post-secondary and career goals.

Students are responsible for checking their credit status to ensure that the necessary courses and credits will be completed.

Alberta High School Diploma Program



Upon the completion of this program, students receive an Alberta High School Diploma. The minimum diploma requirements are outlined on page 3.

Provincial Diploma Examinations

Students registered in the following courses are required to write diploma examinations:

- Biology 30
- Chemistry 30
- English Language Arts 30
- English Language Arts 33
- Français 30 (francophone–French first language)
- Mathematics 30
- Mathematics 33
- Physics 30
- Science 30
- Social Studies 30
- Social Studies 33

To obtain credit, a student must write the appropriate diploma examination in these 30-level courses and obtain a final mark of 50% or higher. The final mark is the average of the school-awarded mark and the diploma examination mark.

Examinations are written at all senior high schools offering the diploma examination courses. Following the examination period, a student receives a results statement showing the most recent school-awarded mark, the current diploma examination mark, and the final mark for each course. A student may apply for rescoring or rewriting an examination. There is a fee associated with rescoring and rewriting. A student concerned about a school-awarded mark may appeal to the school principal. Information about provincial diploma examinations is available at all senior high schools. As well, information is available in the *General Information Bulletin, Diploma Examinations Program*. This bulletin is on the Alberta Learning web site.

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Alberta High School Diploma Requirements

Credits	Minimum Alberta High School Diploma Requirements		
15	English Language Arts 10/13	English Language Arts 20/23	English Language Arts 30/33
15	Social Studies 10/13	Social Studies 20/23	Social Studies 30/33
10	Applied Mathematics 10, or Pure Mathematics 10, or Mathematics 13/14	Applied Mathematics 20, or Pure Mathematics 20, or Mathematics 23/24	
10	Science 10/14	Science 20/24, or Biology 20, or Chemistry 20, or Physics 20	
3	Physical Education 10		
3		CALM 20	
56	**Total Specified Credits**		
44	**Unspecified Credits**	10 credits must be 30/33 level, in addition to English language arts and social studies, **and** 10 credits must be from fine arts, Physical Education 20/30, second languages, career and technology studies, or locally developed courses.	
100	**Total Credits**		

Immersion/Bilingual Programs

Immersion language programs at the senior high school level are usually extensions of programs begun at the elementary level, often called Early Immersion, or at the junior high school level, often called Late Immersion. Bilingual programs are partial immersion programs that generally begin at the elementary level.

French Immersion

This is a program in which French is the language of instruction for a significant part of the school day; that is, several or all subjects are taught in French. Immersion is designed for students whose first language is not French. The objective is full mastery of the English language, functional fluency in French, as well as an understanding and appreciation of the French culture. The expected outcome is related to the total amount of exposure to the language. At the senior high school level, immersion programs are usually extensions of Early or Late immersion programs, beginning in Kindergarten/Grade 1 and Grade 6/ Grade 7 respectively. Students continue to take French language arts and receive instruction in French in at least one other 5-credit course. French language versions of most senior high school courses are available. Students taking courses that have diploma examinations may write these examinations in French or in English.

Partial Immersion (Bilingual) Programs

Students who are registered in French or Ukrainian partial immersion/bilingual programs are expected to follow the appropriate language arts course sequence: French Language Arts (FLA 10–20–30) or Ukrainian Language Arts (ULA 10–20–30).

The main goals of the programs are:

- to help students develop language competencies in oral communication (listening and speaking skills), reading and writing
- to help students understand social and cultural values in various contexts.

School districts may also develop language programs to meet local needs. Contact individual schools for information about the language programs they offer.

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Certificate of Achievement Program

The Integrated Occupational Program (IOP) is a program of choice available in selected schools. The program begins in Grade 8, although students may also enter in grades 9, 10 or 11, and continues through Grade 12. IOP is designed for students who require an integrated program that enhances their academic and occupational competencies and their abilities to enter into employment and/or post-secondary training directly from high school. Upon successful completion of the IOP, students earn a Certificate of Achievement.

IOP is designed for students whose learning styles, abilities and needs are best met through an integrated, real-life approach to teaching and learning. The courses provide functional and practical, hands-on learning experiences. IOP students demonstrate reading, writing, computational and other levels of achievement below those of their age peers, which tends to make it difficult for them to experience success in a diploma program.

Students experiencing success in IOP, may transfer to the diploma program. These students must then complete the necessary courses in order to obtain an Alberta High School Diploma. This will vary depending on the point at which the student transfers.

Eligible Courses and Credits★ for the Certificate of Achievement	
A. IOP CORE Courses and (Credits)	Alternative Courses and (Credits)
English Language Arts 16 (3), 26 (3), 36 (3)	A minimum of 10 credits in English Language Arts, including 5 in English Language Arts 23
Social Studies 16 (3), 26 (3)	Social Studies 13 (5)
Mathematics 16 (3)	Mathematics 14 (5) or Mathematics 13 (5)
Science 16 (3)	Science 14 (5)
TOTAL 21 CREDITS	TOTAL 25 CREDITS
B. Physical Education 10 (3) Career and Life Management 20 (3)	
C. IOP Occupational Courses A minimum of 40 credits from the occupational clusters: • agribusiness • business and office operations • construction and fabrication • creative arts • natural resources • personal and public services • tourism and hospitality • transportation	Grade 10 (16 level)—10 credits required Grade 11 (26 level)—20 credits required Grade 12 (36 level)—10 credits required
D. Unspecified Credits To meet the minimum credit requirement for the Certificate of Achievement, students must take additional unspecified courses. The number of unspecified credits available will depend upon the student's selection of IOP courses or alternative courses listed in Part A.	

Total Required Credits = 80

★ Numbers in parentheses indicate the credit value of each course.

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Instructions for Completing the Senior High School Program Planner

- In the column entitled Grade 9 (on the following page), fill in the most current report card marks in each subject. Then, in the optional section, write the names of the optional courses taken in Grade 9 and the marks received.
- Select the Grade 10 required courses and circle the course name, number and credit value in the appropriate columns. Plan a schedule, using the following as guidelines only: Grade 10—suggested minimum, 40 credits; Grade 11—suggested minimum, 35 credits; Grade 12—suggested minimum, 30 credits.
- Select from optional courses available those that will lead to a senior high school diploma and will help earn at least 40 credits in Grade 10.
- As marks in Grade 10 are received, fill out the Grade 10 marks column. Use these marks as guidelines for planning Grade 11 courses.
- Students must achieve a minimum mark of 50% in a course at one level in order to advance to the next higher course in that program sequence.

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Senior High School Program Planner

GRADE 9		GRADE 10			GRADE 11			GRADE 12			
Course Name	Latest Marks	Course Name	Marks	Credits	Course Name	Marks	Credits	Course Name	Marks	Credits	Total Credits
English Language Arts		English Language Arts 10, 13 (16)		5 (3)	English Language Arts 20, 23 (26)		5 (3)	English Language Arts 30, 33 (36)		5 (3)	
Social Studies		Social St. 10, 13 (16)		5 (3)	Social St. 20, 23 (26)		5 (3)	Social St. 30 or 33		5	
Mathematics	★	Math Prep 10 / A. Math 10/ P. Math 10 / Math 13, 14 (16)		5 (3)	A. Math 20/ P. Math 20 / Math 23, 24 (26)		5 (3)	Math 30/33/31		5	
Science		Science 10, 14 (16)		5 (3)	Biology 20			Biology 30		5	
					and/or Chemistry 20			and/or Chemistry 30		5	
					and/or Physics 20			and/or Physics 30		5	
					and/or Science 20, 24 (26)		5 (3)	and/or Science 30		5	
Physical Education		Physical Education 10		3, 4 or 5	CALM 20		3, 4 or 5				
Optional Courses		**Optional† Courses**			**Optional† Courses**			**Optional† Courses**			
		Total Credits			Total Credits			Total Credits			

To qualify for a Certificate of Achievement, IOP students must earn a minimum of 80 credits, 40 of which are to be from the IOP Occupational Courses on page 4. Ten credits must be taken in each of Grade 10, 11 and 12.

★ Students enrolling in Grade 10 can choose from several mathematics courses: Mathematics Preparation 10 (in some schools), Applied Mathematics 10, Pure Mathematics 10, Mathematics 13 (in some schools), Mathematics 14 or Mathematics 16 (in some schools).

† Remember—To earn a senior high school diploma, the selection must include 10 credits in career and technology studies, fine arts, second languages or Physical Education 20–30 and 10 credits in 30-level courses in addition to English language arts and social studies.

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Off-campus Education

Off-campus education is a partnership among schools, employers and students that supports and enhances student learning. The learning experiences provided allow students to expand pathways into the workplace and to explore career interests and abilities. Programs within off-campus learning include:

- Work Experience 15–25–35—This sequence of courses is available to senior high school students. Students work with an employer to complete individually defined learning experiences. One credit is earned for each 25 hours of experience. Students are required to complete the Career Transitions CTR1010 Job Preparation 1-credit course as a prerequisite or corequisite to their first work experience course.
- Work Study—Work study involves having students spend part of their school day in one or more workplaces in order to enhance and extend their classroom learning. This program is available to junior and senior high school students.

Some educational experiences outside of regular school programs may be eligible for senior high school credits; e.g., music courses completed by private study, through Conservatory Canada, the Royal Conservatory of Toronto or Mount Royal College, Calgary, Alberta Agriculture Green Certificate. Consult the student's school for further information.

Registered Apprenticeship Program

The Registered Apprenticeship Program (RAP) allows students to begin apprenticeship in any of the 52 trades designated for apprenticeship by Alberta Learning while earning an Alberta High School Diploma. Students are indentured as regular apprentices and receive senior high school credits for the RAP courses completed and related to the trade in which they are working. RAP students earn wages for their off-campus work. Students, many of whom begin their RAP experience in Grade 11, are responsible for finding an employer willing to indenture them. Information about the RAP designated trades or any other aspect of senior high school off-campus programs is available from Alberta Learning and from the local senior high school.

Distance Learning

For courses not offered at the school, students may be able to take a portion of their senior high school program through distance education. The programs use material based on the Alberta program of studies. Instruction is contained within the material and is supplemented by a tutor–marker. Further information on distance learning can be obtained from the local school.

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Post-secondary Information

Admissions

School staff are available to assist students in applying to post-secondary institutions, including the three Catholic colleges in Alberta. **Students are responsible for becoming aware of post-secondary entrance requirements, application procedures and deadlines. It is also the student's responsibility to request that an official Alberta Learning transcript be sent to post-secondary institutions.** Request forms are available at schools and should be sent well in advance of application deadlines.

Scholarships

Students can earn a maximum of $2500 toward their post-secondary education through Alexander Rutherford Scholarships. These scholarships are awarded to students when they enroll in post-secondary institutions and have earned an 80% average in five high school courses, one of which must be a language arts course, at each grade level. Students earn $400 in Grade 10, $800 in Grade 11 and $1300 in Grade 12, if they meet the following criteria.

Grade 10	Grade 11	Grade 12

Average 80% or higher in five subjects:
• English Language Arts 10, 13 or Français 10, Français 13
• at least two of the following:
  • Applied Mathematics 10 or Pure Mathematics 10
  • Science 10
  • Social Studies 10
  • any one language other than the one used above at the Grade 10 level
• any two other subjects at the Grade 10 level, including those listed above
	Average 80% or higher in five subjects:
	• English Language Arts 20, 23 or Français 20, Français 23
	• at least two of the following:
	  • Applied Mathematics 20 or Pure Mathematics 20
	  • Science 20
	  • Biology 20
	  • Chemistry 20
	  • Physics 20
	  • Social Studies 20
	  • any one language other than the one used above at the Grade 11 level
	• any two other subjects at the Grade 11 level, including those listed above
		Average 80% or higher in five subjects:
		• English Language Arts 30, or Français 30
		• at least four of the following:
		  • Mathematics 30
		  • Applied Mathematics 30
		  • Pure Mathematics 30
		  • Mathematics 31
		  • Science 30
		  • Biology 30
		  • Chemistry 30
		  • Physics 30
		  • Social Studies 30
		  • any one language other than the one used above at the Grade 12 level (3000 series courses)
		Note: CTS courses cannot be used at the Grade 12 level.

CTS Courses. Three 1-credit courses can be combined and used as an option at the Grade 10 and/or Grade 11 level. • To be combined, all courses must be from the same level. • The average mark of the three courses may be used as one of the other subjects at the appropriate level.		

Students typically apply for an Alexander Rutherford Scholarship in the spring of their Grade 12 year, and the award is paid during the first semester of post-secondary studies. Individual school boards, schools, post-secondary institutions, businesses and community organizations also offer scholarships. Many Catholic groups and associations also make scholarships available to Catholic high school graduates. Parents and students are strongly encouraged to explore additional scholarship sources to help pay for post-secondary education, such as Fellowships for Full-time Post-Secondary Studies in French.

Financial Assistance

Students attending post-secondary institutions may be eligible for a student loan. Information on student loans can be obtained from a school counsellor or by contacting the Students Finance Board, Alberta Learning, which has offices in both Edmonton and Calgary.

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Senior High School Programs of Study

In this section the programs of study are organized under religious education, core courses and optional courses. All students are required to take core courses. Students select from the range of optional courses in keeping with career plans and personal interests.

RELIGIOUS EDUCATION

Within the context of Catholic high schools, the program of studies in all of its aspects—content, the teaching process, and the total school environment—reflects the values of faith, hope, charity, forgiveness and justice as found in the gospels and the message of Jesus Christ as understood by the Catholic Church.

In Catholic high schools there are many opportunities for integrating gospel values and nurturing the presence of God in our midst within the curriculum. Teachers will determine where religious values and church teaching can be integrated within each course.

Religious education is an essential and integral part of the life and culture of a Catholic school. Through it, students are invited to develop the knowledge, beliefs, skills, values and attitudes needed to build a relationship with God and community through the person of Jesus Christ. Religious education shares the same goals and objectives set forth for all good education; that is, the growth and development of the whole person in all his or her dimensions—physical, intellectual, emotional, social and spiritual.

Religious Education has four essential characteristics.

It is **Trinitarian**. It recognizes God as the creator of all things who gives us Jesus. It is Jesus who reveals God to us, and in turn reveals God's Spirit, through whom we understand our faith.

It is based on **Sacred Scripture** through which we hear the mystery of God revealed, the call to be in relationship with God and each other, and we learn how to pray.

It is based on the **life experience** of the students through which they are invited to discern signs of God in their daily lives.

It is presented within the tradition of the **Catholic faith** community which, based on Church teachings, sacramental and liturgical life, provides students with experiences of faith, prayer, love and justice.

Religious Studies 15–25–35: Alberta Youth Search for Meaning

This Religious Studies program was written by the Catholic Religious Studies teachers in response to the needs of students in Alberta Catholic high schools today. The program "Alberta Youth Search for Meaning" is approved by the Bishops of Alberta and is in compliance with the teachings of the Catechism of the Catholic Church. The curriculum strives to engage students in the search for meaning through three major themes: belonging, believing and relating. The program further addresses the study of specific topics through four "windows of authenticity": truth, goodness, the spiritual, and religious community.

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Religious Studies 15—Belonging

One of the primary needs of young people is to experience a sense of belonging. In seeking to belong, it is important to explore the values of the community so that these values become convictions that we embrace and desire to share with others. This course is intended:

- to help students identify that belonging is a fundamental need
- to recognize the importance of belonging as it relates to Church history
- to realize that belonging to a community demands something of us: a respect for life, living a moral life, and service.

Religious Studies 25—Believing

Young people search to find answers about themselves, others and God. The beliefs that adolescents hold will greatly influence the choices they make in the future. This course is intended:

- to explore how believing is integral to human living
- to study the Hebrew Scriptures (Old Testament) and Christian Scriptures (New Testament) as the source of our Judeo-Christian faith
- to recognize the importance of Christ's message in the Gospels and how that message challenges us to bring about the reign of God.

Religious Studies 35—Relating

Humans are relational beings and it is often through our relationships that we find meaning in life. The way that young people relate to the world is often shaped by a variety of sources, some of which are life giving and others which are destructive. Regardless, young people continue to search for ways that will bring them into relationship with self, others and God. This course is intended:

- to assist students in their realization of relating as a fundamental human activity
- to acknowledge the spiritual dimension of human relationships
- to explore how sacraments deepen our relationship with the Creator and how we are called to live out our Christian vocation.

Resource-based Program

Teachers will make use of a variety of approved resource books to assist in the delivery of the program. The Program Outline for each grade provides references to specific texts that can be used to teach a particular objective or topic. Throughout the province, variation in student texts will occur, although the course content is consistent in all Catholic high schools. The Catechism of the Catholic Church is a primary resource for teachers and interpreted for students in a manner appropriate to their age and development. Not everything in the Catechism is incorporated, because, as the Catechism itself points out, what is taught must be adapted to the 'differences of culture, age, spiritual maturity, and social and ecclesial conditions among all those to whom it is addressed.' (#24)

Time Allotment

Each component (RS 15–25–35) of the high school program is designed to be taught in 75 instructional hours. Districts wishing to increase credit offering to 5 credits may do so by including a service component, a retreat experience, and/or by expanding the study of objectives and topics.

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Alternative Delivery of Religion Program

Because it is resource based, this program allows for imaginative and creative opportunities for providing students with a variety of learning experience. Districts may wish to be creative, as well, with scheduling and delivery methods in presenting the program.

The Study of Other Religious Traditions

Accreditation for the high school Religious Studies program is granted by Alberta Learning. An essential criterion for accreditation of locally developed Religious Studies courses is that at least twenty per cent of the program addresses issues that extend beyond the specific religious tradition reflected in the program. Since the Catholic tradition is inclusive and respectful of other religious traditions, it is appropriate that a religion program in Catholic schools attend to the religious experience of other traditions, Christian and otherwise. "Alberta Youth Search for Meaning" addresses the religious traditions other than Catholic in an integrated way.

Assessment and Marking

Religious educators distinguish four different aspects of learning: knowledge of material, critical thinking and interaction with the material, individual acceptance of the material as meaningful, and actual incorporation into one's personal life. Religion teachers strive to achieve all four outcomes, recognizing however, that some lend themselves to evaluation and grading better than others. Teachers will clarify for themselves what it is that they are marking and how they arrive at the grades. They will clearly and explicitly inform the students how they will be graded. Students will be reassured that their grades are not a function of their belief or disbelief, or of their agreement or disagreement with the teacher on controversial questions.

Family Dialogue and Participation

The school, through the Religious Studies program, complements parents in their role as primary and principal educators of their children. At the high school level, home and family continue to play a vitally important role in the faith development of young adults. Within the family, seeds of faith have been planted and continue to be nurtured. Family relationships and daily experiences continue to be major factors in shaping the young adults' values, attitudes and Catholic identity. Regular religious practice and the application of classroom learning to daily life are a critical part of religious formation. The school assists families through a variety of opportunities throughout the years to engage in prayer, liturgy, community service and retreats.

CORE (REQUIRED) COURSES

Students generally take the prerequisite in a course sequence; e.g., Social Studies 10–20–30. This route, for all courses, is designated by solid arrows. However, Alberta Learning recognizes that students may transfer between course sequences, and these recommended routes are designated by broken arrows.

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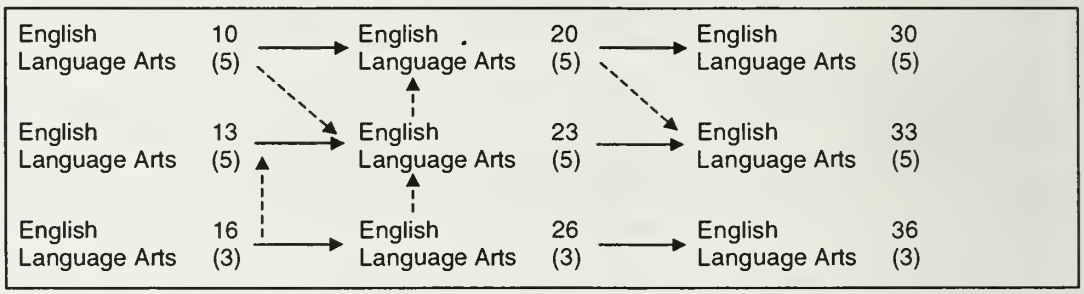
English Language Arts

In English language arts courses, students are given opportunities to demonstrate their increasing confidence in their use of language and their understanding and appreciation of literature. This is achieved through the integration of the five language arts strands, which include: reading, writing, speaking, listening and viewing. These skills and concepts are developed at each grade level; however, the content of the material is increasingly complex. Students are expected to be able to demonstrate a more sophisticated understanding at each level.

In Catholic schools the students are invited to look further and develop a more coherent understanding of what language means as both a Christian event and a human event. Facility with language provides us with the ability to express ourselves and our faith in words, and to communicate, listen, and enter into dialogue and true relationships with others. Higher-level thinking skills of inquiring, reasoning and reporting are recognized as particular gifts from God, bringing with them special responsibilities to use such talents for the good of the community.

There are three course sequences in senior high school English language arts. Each has been developed to meet the needs, interests, attitudes and future plans of individuals. All these points need to be considered carefully when students are selecting their English language arts programs. Although movement between course sequences is possible, it is important to note that each course has a different focus and set of expectations.


English Language Arts 10 (5)
English Language Arts 20 (5)
English Language Arts 30 (5)
English Language Arts 13 (5)
English Language Arts 23 (5)
English Language Arts 33 (5)
English Language Arts 16 (3)
English Language Arts 26 (3)
English Language Arts 36 (3)

In all programs, student development and growth is reflected through their increased ability to:

- understand and appreciate literature, by:
  - exposure to a variety of literature, language and writers
  - learning through the experiences of others
  - recognizing the connection between literature and life
- communicate ideas and feelings, through:
  - written responses, such as essays, journals and other genres
  - oral discussions and presentations
  - visual presentations
- refine and focus critical thinking skills, by:
  - considering purpose and techniques used by the author/artist/producer
  - reflecting on, discussing and responding to materials studied
  - better understanding people and society through the experiences of others.

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The placement of students into the most suitable course sequence is essential. Learning is most effective when the intentions of the courses and needs of the students are clearly understood by students and parents.

English Language Arts 10–20–30 (5 credits each)

This is a demanding program designed for students with strong reading and communication skills and an interest in literature. Successful completion of English Language Arts 30 is a requirement for entrance to most university and some other post-secondary programs. Students should be able to:

- become actively involved with literature, using effective strategies for appreciation, understanding and critical response
- write effectively, using a variety of techniques and styles to suit the purpose and audience
- speak clearly and effectively in a group and for an audience
- evaluate, use and appreciate visual communication
- listen actively for theme, ideas and details, being aware of the purpose of the communication.

A variety of approaches and resources are used in achieving the goals of each course. The content may be taught through literary genres, such as novels, short stories, essays, poetry and drama—Shakespearean and/or modern. Another approach uses themes, such as relationships and stereotypes, the heroic spirit, war and peace, which incorporate the various literary genres. Resources are selected from an approved list, subject to availability.

Completion of English Language Arts 30 requires the writing of a provincial diploma examination.

English Language Arts 13–23–33 (5 credits each)

This program is designed to help students build confidence as they develop their English language arts skills for school success, future careers and life goals. Successful completion of this program provides access to most certificate/diploma programs in colleges and technical institutions. Students should be able to:

- recognize that the study of literature can fulfill a variety of goals, including reading for information, for understanding, for appreciation and for enjoyment
- write clearly in a manner appropriate to the occasion and grade level, using effective prewriting, researching, organizing and revising strategies
- communicate effectively in groups and for an audience
- understand and evaluate the message and the components that create the message in visual communication
- use the active process of listening to evaluate the spoken message, being aware of the tone, purpose and validity of spoken communication.

Completion of English Language Arts 33 requires the writing of a provincial diploma examination.

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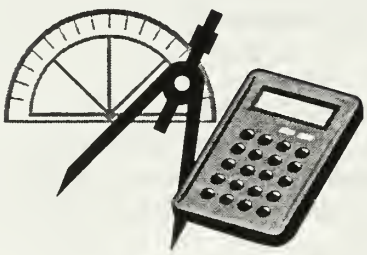
English Language Arts 16–26–36 (3 credits each)—Integrated Occupational Program

This program is designed for students who have experienced difficulty with English language arts in the regular program and focuses on the need of the learner to experience success. It assists students in meeting the credit and course requirements of the Certificate of Achievement and parallels materials covered in the previous two programs. Students are provided with opportunities to practise functional communication skills for lifelong application. Students should be able to:

- read for a specific, concrete purpose; e.g., follow directions in the completion of a project
- write for clear, practical communication; e.g., a résumé and covering letter
- speak clearly and confidently; e.g., interviewing skills
- view visual communication with evident understanding of the message; e.g., recognizing main ideas in a film
- engage in active listening; e.g., participate appropriately in a discussion.

It is intended that students should be able to successfully apply their English language arts skills, concepts and attitudes to other subject areas.

Mathematics



Since September 1998, the senior high school mathematics curriculum has been changing to reflect the Western Canadian Protocol. The Mathematics 10–20–30 program and the Mathematics 13–23–33 program are being replaced by Applied Mathematics 10–20–30 and Pure Mathematics 10–20–30, with changes in curriculum content to both.

The main goal of mathematics education is to prepare students to:

- communicate and reason mathematically
- use estimation and mental mathematics, where appropriate
- reason and justify their thinking
- select and use appropriate technologies as tools to solve problems
- connect mathematical ideas to other concepts in mathematics, everyday experiences and to other subjects
- appreciate and value mathematics as an integral component of society.

Mathematical skills are recognized in Catholic schools as valuable and necessary tools that serve both personal growth and the world order. Applied to the Christian vocation to build a world of integrity, justice and dignity for all, abstract mathematical skills serve to make it possible for us to better understand our present reality, make responsible choices regarding the future, and perceive the impact of our behaviour and decisions on ourselves, others and the world. Mathematics reflects the genius of the mathematicians who, through the centuries, have developed this largely abstract science. The product of these minds is also a reflection of the glory of God fully alive, in not only the mathematicians but in those who learn from them.

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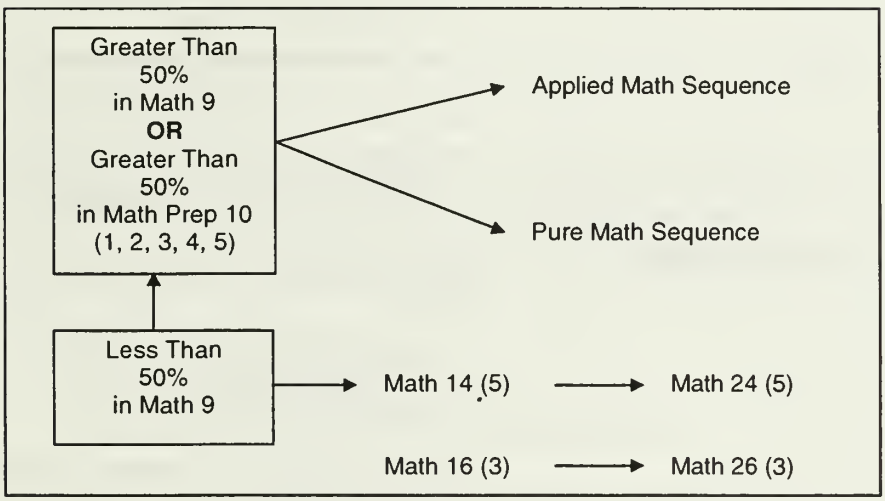
Senior high school students can choose from several mathematics course sequences depending on their preferred learning style and career goals. Applied mathematics emphasizes the application of mathematics and the use of numerical and geometric approaches to solve problems. Pure mathematics emphasizes mathematical theory and the use of algebra and graphing to solve problems. Mathematics 14–24 is designed for those students who wish to meet the minimum mathematics requirements for graduation.

Mathematics 16–26 is part of the Integrated Occupational Program, which leads to a Certificate of Achievement.

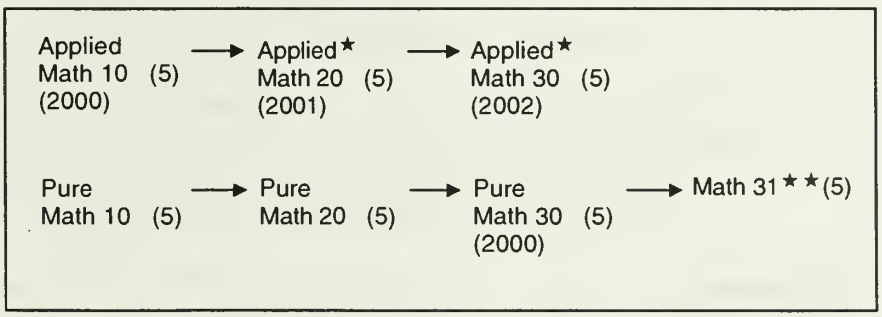
Students considering post-secondary options should seek guidance when choosing mathematics courses.

For Students Who Entered Grade 10 in September 1998 or Subsequent School Years

Possible Sequences


Greater Than 50% in Math 9 OR Greater Than 50% in Math Prep 10 (1, 2, 3, 4, 5)
Applied Math Sequence
Pure Math Sequence
Less Than 50% in Math 9
Math 14 (5)
Math 24 (5)
Math 16 (3)
Math 26 (3)

Applied and Pure Sequences



★ These courses may be implemented on an optional basis up to two years prior to provincial implementation.

★★ Pure Mathematics 30 is a corequisite for Mathematics 31.

Applied Mathematics 10–20 and Pure Mathematics 10–20 (5 credits each)

These courses are based on two parallel program sequences, one in Applied Mathematics and one in Pure Mathematics, with some material common to both sequences. In Applied Mathematics 10–20–30, emphasis is placed on applications of mathematics rather than on precise mathematical theory. The approaches used are primarily numerical and geometrical. In Pure Mathematics 10–20–30, emphasis is placed on mathematical theory. The approaches used are primarily algebraic and graphical.

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Applied Mathematics 10 is to be implemented in all schools in September 2000. Pure Mathematics 10 was implemented in all schools in September 1998. Optional implementation for Applied Mathematics 20 begins in September 1999, and provincial implementation is for September 2001. Pure Mathematics 20 is being implemented in all schools in September 1999.

10–level Courses

Students in both Applied Mathematics 10 and Pure Mathematics 10 study:

- spreadsheets for number tables and patterns
- line segments and straight line graphs
- scales, triangles and statistical surveys.

Students in Applied Mathematics 10 study:

- data tables and trends
- imperial and metric measurement.

Students in Pure Mathematics 10 study:

- operations on exponents, polynomials and rational expressions
- irrational numbers, growth patterns and mathematical expectation.

20-level Courses

Students in both Applied Mathematics 20 and Pure Mathematics 20 study:

- financial and consumer mathematics
- quadratic functions
- geometry of the circle.

Students in Applied Mathematics 20 study:

- design and layout
- data presentation and inference
- inequalities and linear programming.

Students in Pure Mathematics 20 study:

- solutions to nonlinear equations and linear systems
- operations on functions, including polynomial functions
- mathematical reasoning and proof.

Mathematics Preparation 10 (1, 2, 3, 4 or 5 credits)

This course is designed for students who have not experienced success in Grade 9 mathematics. Mathematics Preparation 10 leads to both the applied and pure mathematics sequences and may be offered for 1, 2, 3, 4 or 5 credits. The content is based on the general outcomes for Grade 9 mathematics, with flexibility for also addressing Grade 7 and Grade 8 outcomes, based on student need.

Students in Mathematics Preparation 10 study the following topics:

- algebra
- proportion, ratio and per cent
- fractions
- problem solving
- number skills
- use of technology.

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Mathematics 30 (5 credits)

This course is designed for students with an interest and aptitude in mathematics and for those intending to pursue post-secondary studies at a university or in a mathematics-intensive program at a technical school or college. Students considering post-secondary options should obtain guidance when choosing mathematics courses.

Mathematics 30 is comprised of the following topics:

- polynomial functions
- trigonometric and circular functions
- statistics
- quadratic relations (conics sections)
- exponential and logarithmic functions
- permutations and combinations
- sequences and series.

Completion of Mathematics 30 requires the writing of a provincial diploma examination.

Mathematics 31 (5 credits)

This is a highly advanced course designed for students entering post-secondary programs that recommend or stipulate it as an entrance requirement. Mathematics 30 is a corequisite for Mathematics 31. The Mathematics 31 curriculum is comprised of the following required components and their related outcomes:

- precalculus and limits
- derivatives and derivative theorems
- applications of derivatives
- integrals, integral theorems and integral applications.

At least one of the following elective components is included in the Mathematics 31 curriculum:

- calculus of exponential and logarithmic functions
- numerical methods
- volumes of revolution
- applications of calculus to physical sciences and engineering
- applications of calculus to biological sciences
- applications of calculus to business and economics
- calculus theorems
- further methods of integration.

Mathematics 13–23–33 (5 credits each)

This sequence is designed to prepare students for trades and employment, as well as for many post-secondary diploma programs at colleges.

Mathematics 13 (available in some schools)

Students in Mathematics 13 study the following topics:

- number skills
- polynomials and factoring
- coordinate geometry and graphing
- relations
- statistics
- geometry.

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Mathematics 23 (available in some schools)

Students in Mathematics 23 study the following topics:

- powers and radicals
- algebra
- linear relations
- systems of equations
- probability
- geometry
- trigonometry.

Mathematics 33

Students in Mathematics 33 study the following topics:

- powers and radicals
- annuities, mortgages and loans
- statistics
- trigonometry
- polynomials and rational expressions
- relations and functions
- quadratic functions and equations.

Completion of Mathematics 33 requires the writing of a provincial diploma examination.

Mathematics 14–24 (5 credits each)

This sequence is designed for students whose needs, interests and abilities focus on basic mathematical understanding. The emphasis is on the acquisition of practical life skills, and students are provided with opportunities to improve their skills in working with mathematics.

The mathematics outcomes for both courses are organized into:

- problem solving
- numeration
- geometry
- measurement.

Students in **Mathematics 14** also study:

- ratio and proportion
- statistics and probability
- algebra and graphing.

Students in **Mathematics 24** apply mathematics in the contexts of:

- work
- banking
- transportation
- accommodation
- cost of independence.

Mathematics 16–26 (3 credits each)—Integrated Occupational Program

The Integrated Occupational Mathematics Program is designed to assist students in developing the essential concepts, skills and attitudes of mathematics that are required for responsible participation in the home, the school, the community and the workplace.

The following strands are common to both courses, with the 26 level building on the 16 level:

- problem solving
- use of technology
- computation
- number systems and operations
- ratio, proportion and per cent
- geometry and measurement
- data interpretation and display
- algebra.

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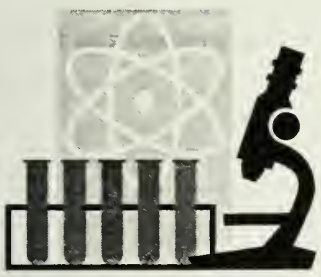
Students in **Mathematics 26** also study:

- powers and square roots
- work within a coordinate system
- basic probability.

Science



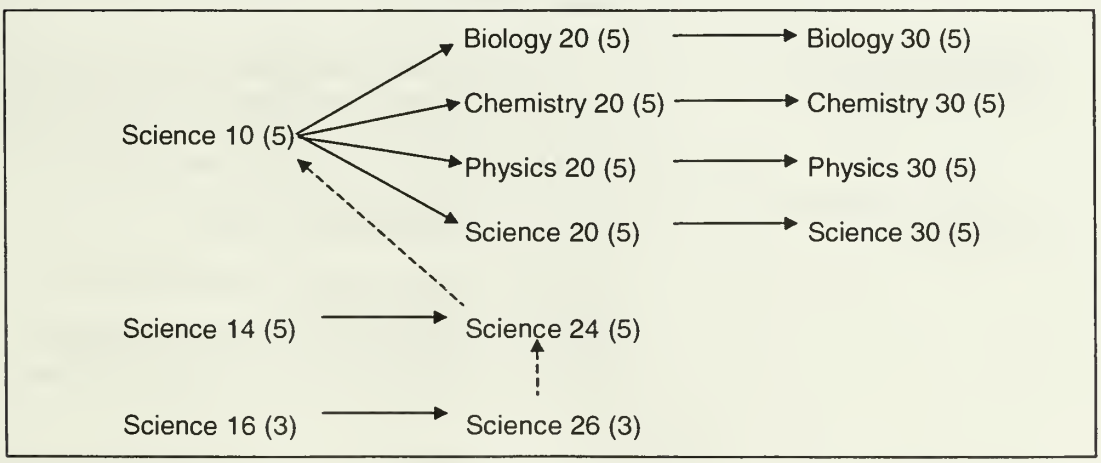
The senior high school science program is intended to help students attain the scientific awareness needed to be effective members of society. The components included are attitudes, scientific knowledge, mathematical/laboratory skills, critical thinking skills, and connections to science, technology and society. Students are expected to be able to operate in the framework of scientific inquiry as they develop their problem-solving abilities and use technology appropriately.

Within the context of the Catholic high school every effort is made to help the students explore the relationship between science, technology, society and our responsibility to act justly and work toward a more loving society. By emphasizing the need for balance between scientific thought and a concern for humanity, students are encouraged to reflect on the role they play in helping create the peaceful and loving society envisioned by Christ. In this context issues related to morals, ethics, stewardship, responsible choices for the enhancement of life and respect for creation, are integrated into the science curriculum.

Learning opportunities are made meaningful so students can relate science to their lives in and out of the classroom. This encourages an interest in science as a lifelong learning experience.

The program consists of many courses. Students have several choices depending on their interests, abilities and future goals, as shown in the following prerequisites chart.

- Science 10 — Academic Integrated Science
- Biology 20–30 — Academic Specialty Science
- Chemistry 20–30 — Academic Specialty Science
- Physics 20–30 — Academic Specialty Science
- Science 20–30 — Academic Integrated Science
- Science 14–24 — General Science
- Science 16–26 — Integrated Occupational Program Science



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All senior high school science courses are centred around four general learner expectations:

- attitudes: an enthusiasm for, and a continuing interest in, science
- knowledge: an understanding of the fundamental concepts of science
- skills: scientific inquiry and appropriate use of technology
- **s**cience, **t**echnology and **s**ociety (STS) connections: how scientific knowledge develops, solving problems and making choices.

Science 10 (5 credits)

This academic course provides students with a unified view of the biological, chemical, physical and earth sciences and an awareness of the connections among them. **Science 10 is the prerequisite for all the academic sciences.**

Science 10

The four topics covered are:

- Energy from the Sun
- Energy and Matter in Chemical Change
- Energy and Matter in Living Systems
- Change and Energy.

Biology 20–30 (5 credits each)

This academic program explores the interactions of living systems with one another and with their environment. In Biology 20, the underlying theme is energy and matter exchange. In Biology 30, the emphasis is on adaptation and change.

Biology 20

The four topics covered are:

- The Biosphere
- Energy and Matter Exchange in Ecosystems
- Energy Flows and Cellular Matter
- Energy and Matter Exchange by the Human Organism.

Biology 30

The four topics covered are:

- Systems Regulating Change in Human Organisms
- Cells, Chromosomes and DNA
- Reproduction and Development
- Change in Populations and Communities.

Completion of Biology 30 requires the writing of a provincial diploma examination.

Chemistry 20–30 (5 credits each)

This academic program is designed to study matter and its changes. Students, through the study of Chemistry 20–30, are given an opportunity to explore and understand the natural world and to become aware of the profound influence of chemistry on their lives.

Chemistry 20

The four topics covered are:

- Matter as Solutions, Acids, Bases and Gases
- Chemical Bonding in Matter
- Quantitative Relationships in Chemical Changes
- The Diversity of Matter: An Introduction to Organic Chemistry.

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Chemistry 30

The three topics covered are:

- Thermochemical Changes
- Electrochemical Changes
- Equilibrium, Acids and Bases in Chemical Changes.

Completion of Chemistry 30 requires the writing of a provincial diploma examination.

Physics 20–30 (5 credits each)

This academic program is designed to study matter and energy and their interactions. Physics 20–30 helps students understand the physics principles behind the natural events they experience and the technology they use in their daily lives.

Physics 20

The four topics covered are:

- Kinematics and Dynamics
- Mechanical Waves
- Circular Motion and Gravitation
- Light.

Physics 30

The four topics covered are:

- Conservation Laws
- Magnetic Forces and Fields
- Electric Forces and Fields
- Nature of Matter.

Completion of Physics 30 requires the writing of a provincial diploma examination.

Science 20–30 (5 credits each)

The Science 20–30 program is designed for the student who is interested in science but does not require specialty courses for post-secondary education.

Science 20

The four topics covered are:

- The Changing Earth
- Chemical Changes
- Changes in Living Systems
- Changes in Motion.

Science 30

The four topics covered are:

- Living Systems Respond to Their Environment
- Electromagnetic Energy
- Chemistry in the Environment
- Energy and the Environment.

Completion of Science 30 requires the writing of a provincial diploma examination.

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Science 14–24 (5 credits each)

This program allows students whose success in science has been limited to still meet, successfully, the credit requirements for an Alberta High School Diploma. The focus is on helping students understand the scientific principles behind the natural events they experience and the technology they use in their lives.

Science 14

The four topics covered are:

- Body Systems
- Investigating the Environment
- Household Science
- Understanding Technology.

Science 24

The four topics covered are:

- Disease Defence
- Materials We Use
- Energy Consumption
- Safe Transportation.

In each course, there are other optional topics that may or may not be offered.

Science 16–26 (3 credits each)— Integrated Occupational Program

Using a practical approach, this program meets the science requirements of the Integrated Occupational Program. It is designed to enable students to develop entry-level vocational abilities and to recognize the need for lifelong learning. Each of the four themes provides hands-on learning experiences.

Science 16

The four topics covered are:

- Systems of the Human Body
- Using Systems and Technologies
- Chemistry for the Consumer
- Caring for Environment and Resources.

Science 26

The four topics covered are:

- Personal Health and Lifestyle
- Technology in Transportation
- Materials We Use
- Energy and the Environment.

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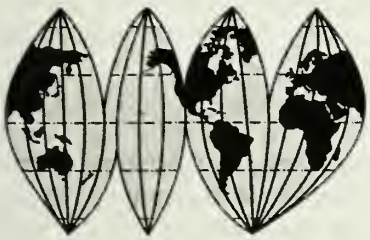
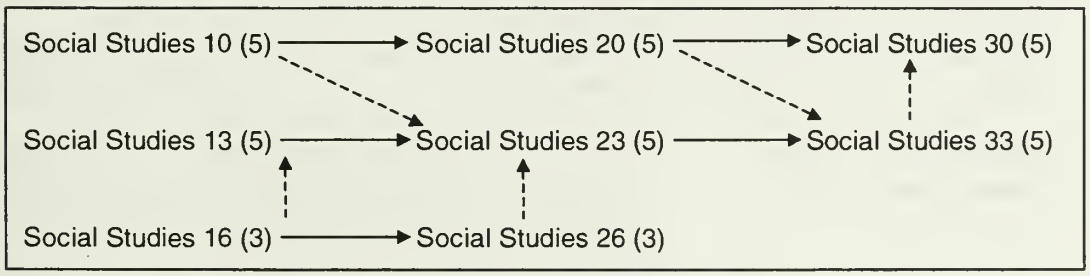
Social Studies



Responsible citizenship is the ultimate goal of social studies. The responsible citizen is one who is knowledgeable, purposeful and makes responsible choices. Basic to the goal of responsible citizenship is the development of critical thinking. The inquiry process, communication, participation and technological skills are emphasized in order to foster critical thinking.

The integration of the social studies curriculum and the Church's social teachings is central to a Catholic student's education. In Catholic schools, social studies encompasses a view of the person and society as perceived through the eyes of Christ and His Church. The Church's teachings present the individual as a unique creature of God, living ideally in caring and loving relationships with oneself, others and God. It is recognized that with the gift of free will, individual and communal choices are made. In many instances our choices help build a better world, but in many other circumstances they lead to a breakdown in relationships, sometimes on a catastrophic scale. Education and formation within the Catholic school strives to help students make responsible choices that will help shape our world and society in the likeness of the Kingdom of God.

Citizenship education is based on an understanding of history, geography, economics, other social sciences and the humanities as they affect the Canadian community and the world. Current affairs add considerably to the relevance, interest and immediacy of the material and help to foster lifelong learning skills.


Social Studies 10 (5)
Social Studies 20 (5)
Social Studies 30 (5)
Social Studies 13 (5)
Social Studies 23 (5)
Social Studies 33 (5)
Social Studies 16 (3)
Social Studies 26 (3)

Note: Social Studies 30 and Social Studies 33 may be taken in the same semester. If this occurs, it is the responsibility of the student to ensure that appropriate arrangements are made to write both diploma examinations.

There are three programs in the social studies curriculum.

In order to accommodate students with a wide range of abilities, needs, interests and aspirations, two course sequences have been developed for this program: Social Studies 10–20–30 and Social Studies 13–23–33. Although the content, skills and attitudes are similar for these two sequences, the expectations for Social Studies 10–20–30 are more challenging, particularly in the depth of concept development, the level of critical and creative thinking, and inquiry skill development. The nature of the approved student resources differs for each sequence.

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Social Studies 16–26 has been developed within the Integrated Occupational Program to address the needs of students who have a history of learning difficulties and who learn best through concrete, real-life experiences.

Social Studies 10–20–30 (5 credits each)

Social Studies 10: Canada in the Modern World

This course emphasizes the study and appreciation of Canada and the forces and events that have influenced Canada's development. The course also illustrates how responsible citizenship requires an understanding of the structure and function of government. This includes an examination of:

- development of Canada
- national identity
- structure and function of government
- responsible participation
- sovereignty
- regionalism
- citizenship.

Social Studies 20: The Growth of the Global Perspective

Students examine how the modern world has been influenced by major ideas and forces that have emerged from nineteenth century experience and how economic growth and development have led to increased global interdependence. This course illustrates why a responsible global citizen needs to be aware of the effect history and economic growth have on the interaction of nations. This includes an examination of:

- nationalism
- imperialism
- diversity
- interdependence
- quality of life
- industrialization
- international rivalries and conflict
- disparity
- economic development
- alternative futures.

Social Studies 30: The Contemporary World

Students are given an opportunity to acquire an understanding of world political and economic systems, the roles of individuals and groups within these systems, and how these systems have struck a balance between collective good and individual interest. Upon completion of the program, students are expected to be able to understand consequences and alternative choices in twentieth century global interactions since the First World War. This includes an examination of:

- twentieth century global interactions
- motive, consequences and alternative choices
- political and economic systems.

Completion of Social Studies 30 requires the writing of a provincial diploma examination.

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Social Studies 13–23–33 (5 credits each)

Social Studies 13: Canada in the Modern World

Students examine some of the forces and factors that have shaped Canada and developed its unique identity. Students gain an understanding of the rights and responsibilities of citizenship. This includes an examination of:

- identity
- citizenship
- participation in politics and society
- sovereignty
- rights and responsibilities.

Social Studies 23: The Growth of the Global Perspective

Students are presented with the opportunity to understand the impact of new ideas and changes, past and present, on society. Students recognize the diversity and interrelatedness of the world. This includes an examination of:

- nationalism
- egalitarianism
- interdependence
- disparity
- economic development
- industrialization
- quality of life
- diversity
- alternative futures.

Social Studies 33: The Contemporary World

Students are given an opportunity to acquire an understanding of major political and economic ideas and systems so they can participate as effective and responsible citizens.

Upon completion of the program, students are expected to be able to understand and appreciate how nations have sought to protect and promote their national interests; how individuals and groups contribute to, and are affected by, global interactions; and how these interactions have consequences for their lives and the global community. This includes an examination of:

- political and economic systems
- global interactions in the twentieth century.

Completion of Social Studies 33 requires the writing of a provincial diploma examination.

Social Studies 16–26 (3 credits each)— Integrated Occupational Program

Social Studies 16

Students gain an understanding of the rights and responsibilities for participation in the Canadian political process and Canadian society. They learn to relate rights, responsibilities and laws to the workplace. This includes an examination of:

- decision making
- resolving disagreement
- Canadian government
- participatory citizenship
- employment
- personal economics
- power and influence
- rights and responsibilities
- tolerance versus prejudice and discrimination.

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Social Studies 26

Students gain an understanding of their personal, regional and Canadian identities and how these relate to each other. Students also examine the influence of the global community on Canada and on individual Canadians, and the trends that may influence individual career choices. This includes an examination of:

- Canadian community
- Canadian identity
- historical development
- international involvement
- influences on employment opportunities
- Canadian diversity
- cultural interaction
- Canadian security
- employment opportunities
- community partnerships.

Career and Life Management 20

CALM 20
(3 credits)

Career and Life Management (CALM) 20 is a required course for all senior high school students. This course is designed to assist students to organize and shape their lives occupationally, financially and socially.

In Catholic schools students are helped to understand that our careers and our professional lives are the context in which we live out our Christian faith and have the opportunity to serve others. Every action on behalf of charity and justice is integral to the Gospel message. Students are encouraged to seek the guidance and support of God in their lives, both in decision making and in lifestyle choices.

The core curriculum is structured into six themes:

- Self-management
- Well-being
- Relationships
- Careers and the World of Work
- Independent Living
- Human Sexuality.★
  - ★ *Parents may withdraw students from this theme by contacting the local school.*
  - ★ *In Catholic schools, values and sexual morality are included in all topics studied.*

Schools may expand the core curriculum to 4 or 5 credits by adding one or two of the following modules:

- Dealing with Crises
- Entrepreneurship
- Consumer and Investment Choices
- Cultural Bridges.

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Physical Education

Physical Education 10 (3, 4 or 5 credits)

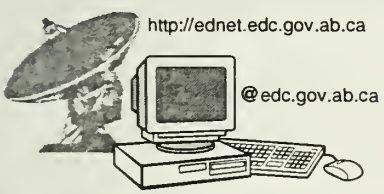
The main goals of the physical education program are to develop motor skills, applied knowledge, a positive attitude and physical fitness. In addition, the program assists students in developing teamwork and individual skills that are transferable to other areas of their lives. The program recognizes a wide range of abilities and, as such, is student-centred. It is comprised of varying activities with a progression of difficulty and levels of achievement. This philosophy contributes to an active, healthy and productive lifestyle.

Within the Catholic high school, some of the values integrated into the physical education program include recognizing the dignity of each person as evident in their unique gifts and talents, community building, cooperation and shared responsibility, respect and care for the body.

This required course is comprised of the following dimensions:

- Aquatics
- Dance
- Fitness, such as aerobics, calisthenics, circuit training
- Games, such as basketball, broomball, curling, field/floor/ice hockey, flag football, lacrosse, netball, ringette, rugby, soccer, softball, team handball, volleyball, badminton, handball, racquetball, squash, table tennis, tennis
- Gymnastics
- Individual activities, such as archery, cross-country running, bowling, golf, track and field, weightlifting and wrestling
- Outdoor pursuits, such as downhill skiing, hiking, camping, orienteering, canoeing, cycling, sailing, cross-country skiing, skating, snowshoeing, wilderness living skills.

Information and Communication Technology



Alberta Learning has prepared an interim program of studies that identifies the technology outcomes that students should achieve by the end of grades 3, 6, 9 and 12. As the program is organized by division, rather than by grade, this program will be phased in from 2000/2001 to 2002/2003.

The outcomes provide a basic technology curriculum for students so they are prepared for the workplace, further studies and lifelong learning. Technology has become an essential skill in almost every area of human endeavour. Our students need to have these basic skills along with the skills found in language arts, mathematics, science and social studies.

Although the technology outcomes form a program of studies, they are not intended to be taught as a stand-alone course. Technology is so much a part of every aspect of life and learning it is appropriate for students to develop technology knowledge and skills within the context of all the subject areas being studied. The integration of technology with subject areas will provide better opportunities for students to be able to practise and apply their skills.

With these outcomes achieved, graduating students will have the basic technology skills they need to succeed in work, further study and lifelong learning.

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Personal and Career Development

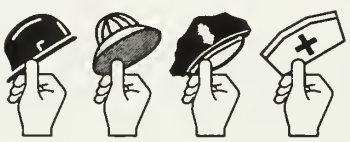
Preparing for life and work is a complex process that begins in the early years of schooling and continues throughout our lives. Alberta schools are taking an active role—along with parents and the community—in helping students move successfully from basic education to further studies and the workplace.

In senior high school, students continue to develop life skills, including employability skills, frequently through hands-on experiences outside the school. At this stage, students are encouraged to link their personal aptitudes and goals to a specific career path, since at the end of Grade 12 they must implement their plans and make a transition to further studies or the workplace.

Personal and career development activities and outcomes are integrated into all senior high school courses and programs. In particular, the following programs focus specifically on these topics: Career and Life Management 20, Physical Education 10–20–30, Career and Technology Studies, Work Experience 15–25–35, the Registered Apprenticeship Program and the Integrated Occupational Program. Senior high schools often sponsor special career development activities, such as mentoring, job shadowing, career fairs, career resource centres, and annual career plans. Senior high school students may also be asked to complete a portfolio that documents their competencies and achievements.

OPTIONAL COURSES

Career and Technology Studies



Career and technology studies (CTS) provides students with practical, hands-on learning experiences in the areas of personal interest, applied technology and general career exploration. In CTS, students have the opportunity to use and apply technology effectively and efficiently to solve problems and/or produce usable products within a personally relevant working environment.

In the Christian tradition work is seen basically as cooperation and participation in the creative work of God. The dignity of one's work comes from the essential dignity of the worker in the sight of God. In Catholic schools, work, the creative use of our gifts and talents, and the application of skills for the good of the community, are recognized as essential aspects of each Christian's vocation to share in the building of a just society for all people.

Students in career and technology studies are expected to be able to:

- develop skills that can be applied in their daily lives now and in the future
- refine career planning skills
- develop technology-related skills
- enhance employability skills
- apply and reinforce learning developed in other subject areas.

Integrated throughout CTS are employability skills, those basic competencies that help students develop their personal management and social skills. Employability skills allow the students to transfer knowledge and technical skills to the workplace. Personal management

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skills are improved as students take increased responsibility for their learning, design innovative solutions to problems and challenges, and effectively and efficiently manage resources, including time. Social skills are improved through learning experiences that require students to work effectively with others, demonstrate teamwork and leadership, and maintain high standards in safety and accountability.

The career and technology studies program is organized into strands and courses. See the table that follows. A strand is a group of 1-credit courses that support a wide range of career and occupational opportunities within one particular category. From 22 strands, schools select those 1-credit courses that are most relevant for the students and the community. Each course defines what students should know and be able to do and, in general, takes about 25 hours to complete, although some students may need less or more time. At the senior high school level, one course, successfully completed, equals 1 credit. Courses are organized into three levels of achievement: introductory, intermediate and advanced. As students progress through the levels, they are expected to be able to demonstrate an increased degree of competency. In senior high school, students can continue to build on what they have learned in junior high school, developing career-specific skills that will help them make a smooth transition into adult roles in the family, community, workplace or further education.

Career and Technology Studies Strands

Strand	No. of Available Courses	Strand	No. of Available Courses
Agriculture	33	Fashion Studies	29
Career Transitions	31	Financial Management	14
Communication Technology	33	Foods	37
Community Health	31	Forestry	21
Construction Technologies	46	Information Processing	48
Cosmetology Studies	58	Legal Studies	13
Design Studies	31	Logistics	12
Electro-Technologies	37	Management and Marketing	20
Energy and Mines	26	Mechanics	54
Enterprise and Innovation	8	Tourism Studies	24
Fabrication Studies	41	Wildlife	17

The CTS program offered in each school will vary depending on availability of staff and facilities, and interests and needs of students, parents and community. Parents are encouraged to visit their local school to determine which CTS courses are being offered.

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Fine Arts

The fine arts program, comprised of art, drama and music, encourages and develops personal expression through artistic activities. These programs encourage students to appreciate, understand, create, critique and, most of all, enjoy the products of their own making. The programs provide the opportunity for students to use not only their minds but also their voices, hands and bodies. Art, drama and music enhance the core senior high school experiences and cultivate well-rounded individuals. Content and opportunities within these programs depend upon the resources available to each school.

In the Catholic high school, music and dance, drama and the visual arts are seen as more than just artistic forms; they are also conduits of religious feelings, imagination and understanding. The fine arts use of the religious symbol and their capacity to evoke religious meaning from material creation ensure their value as pathways to the sacred. Art, drama and music, therefore, are seen as enhancing the student's high school experiences. They are integral to the formation of students as confident, perceptive, and truly 'whole' persons capable of creatively expressing themselves and their Catholic faith.

Art

Art 10 →	Art 20 →	Art 30
(3, 4 or 5 credits)	(3, 4 or 5 credits)	(5 credits)
Art 11 →	Art 21 →	Art 31
(3, 4 or 5 credits)	(3, 4 or 5 credits)	(5 credits)

Art 10–20–30

This sequence of general art courses is primarily a studio-based program emphasizing a variety of media. Students have the opportunity to explore visual expression and establish the groundwork for artistic skills. The program consists of three general areas of visual learning:

- drawings: how visual information is seen and presented; developing technical and critical skills
- compositions: how images are designed; creating meaning visually
- encounters: how visual images evoke responses and interpretation; exploring art across history and tradition.

Art 11–21–31

This sequence of courses is primarily a nonstudio-based program, examining the role of art in our lives, how we create it, and how we react to it. Rather than creating art, the focus is on how and why art has become a central part of our world. The student is given the opportunity to assume the role of insightful critic and art historian. The program consists of three general areas of learning in visual art:

- function: how images are used to express and reflect society's values, beliefs and issues
- creation: the achievements and methods of artists throughout history and in different cultures
- appreciation: how the visual qualities in works of art are seen and responded to.

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Drama

Drama 10 (3 or 5 credits) → Drama 20 (3 or 5 credits) → Drama 30 (5 credits)

Drama 10–20–30

Drama 10–20–30 includes eight distinct disciplines, each with its own particular goals and study requirements. Drama provides the opportunity for a thorough introduction to the theatre experience, developing both technical and performance-based skills. Similar to all fine arts programs, drama develops personal expression but goes further by teaching the skills needed to work creatively with others. The following chart shows which discipline areas are required learning for each course level.

	Drama 10	Drama 20	Drama 30
Disciplines	Orientation	Orientation	Orientation
Movement	yes		
Speech	yes	yes	yes
Improvisation	yes	yes	yes
Acting		yes	yes
Theatre Studies	yes★	yes★	yes
Technical Theatre Design	yes	yes	yes
Playwriting		yes	
Directing			yes

★only when course is offered for 5 credits

Music

Instrumental Music 10 (3 or 5 credits) → Instrumental Music 20 (3 or 5 credits) → Instrumental Music 30 (5 credits)

Choral Music 10 (3 or 5 credits) → Choral Music 20 (3 or 5 credits) → Choral Music 30 (5 credits)

General Music 10 (3 or 5 credits) → General Music 20 (3 or 5 credits) → General Music 30 (3 or 5 credits)

Instrumental Music 10–20–30
Choral Music 10–20–30

Through Instrumental Music 10–20–30 and Choral Music 10–20–30, the student develops musical abilities by playing/singing, listening, reading and creating music. These programs consist of three general areas of learning:

- performing: how musical skills are developed; building knowledge and awareness
- listening: how music is understood; appreciating musicians throughout history
- composing: how musical compositions are created; organizing elements of music.

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General Music 10–20–30

General Music 10–20–30 is ideal for students interested in nonperformance-based musical experiences. Students are required to complete the following components:

- theory: how and why music is produced; appreciating the theory, the history and the sound of music
- music making: music performance leading to self-evaluation; encountering music by playing
- electives: may include the following: Composition, History of Western Music, Music and Technology, World Music, Careers in Music, Jazz Appreciation, Popular Music.

Physical Education 20–30 (3, 4 or 5 credits each)

Physical Education 20

This optional course is an extension of Physical Education 10. Natural abilities and skills are enhanced. The course is comprised of the following required dimensions:

- fitness
- a minimum of three other dimensions, as listed in Physical Education 10.

Physical Education 30

This optional course is an extension of Physical Education 20. Natural abilities and skills are further enhanced. The course is comprised of the following required dimensions:

- fitness
- a minimum of two other dimensions, as listed in Physical Education 10.

Second Languages

Alberta provides a number of language study opportunities that help to develop individual potential and better prepare students for daily living and the challenges of an international world of work and travel. These programs allow students to acquire language skills in situations that reflect life experiences. Students who take second language programs may continue to use their language skills in work, educational or travel settings. Placement in senior high school language programs depends upon individual language proficiency. Students receive 5 credits for 125 hours of course work.

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In a Catholic school, students are encouraged through language study to respect the dignity of all people and discover the inherent unity of all nations. Our unique languages and cultures serve as differing expressions of our shared, graced humanity. The study of languages opens avenues of communication and dialogue between peoples and serves to break down barriers of silence and misunderstanding within the human family.

Blackfoot Language and Culture 10–20–30 (5 credits each)
Cree Language and Culture 10–20–30 (5 credits each)

These two programs have three-course sequences at the senior high school level; however, students may begin study at an earlier age. Upon completion of a program, students express themselves in speech and have an awareness and appreciation of the oral culture of Aboriginal peoples. The contributions of Elders and other members of the community are an important aspect of each program.

Locally developed and locally approved courses are also available. Contact local schools for information about which language programs they offer.

French as a Second Language

French 13–**10–20–30**–31a–31b–31c
Course sequence in bold print refers to the minimum standard expected upon completion of a senior high school French as a second language program.

The French as a second language program at the senior high school level consists of seven courses. French 13 and 10 are beginning level courses, French 20 and 30 are intermediate level courses and French 31a, 31b and 31c are advanced level courses. Placement in a French as a second language course depends upon language proficiency at the entry levels. For example, a student who has already mastered the beginning level of French before entering senior high school may be placed in French 20 instead of French 10. While the high school leaving level is usually French 30, an advanced proficiency program is also available in some schools. This program consists of French 31a, 31b and 31c.

These courses are sequential, and students demonstrate the appropriate language proficiency before proceeding to the next level.

French 13–10 (Beginning Level Courses), French 20–30 (Intermediate Level Courses)—5 credits each

Students produce and comprehend:

French 13: simple spoken and written statements, using a basic vocabulary
French 10: a greater variety of spoken and written statements
French 20: a series of interrelated ideas on a familiar topic in structured situations
French 30: both simple and complex statements on a variety of topics in both structured and unstructured situations.

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French 31a–31b–31c (Advanced Level Courses)— 5 credits each

Students develop advanced level language skills by:

French 31a: providing main points and supporting details, and understanding and interpreting the main points of a communication

French 31b: generating more complex ideas in a coherent way through various types of communication requiring some spontaneous responses

French 31c: engaging in more extensive and spontaneous communication.

German 10–20–30–31 (5 credits each)

This is a three- or four-course sequence depending on the student's level of proficiency upon entering senior high school. The program goals are to promote the development of the knowledge, skills and attitudes required to interact effectively in the German language and to increase awareness of German culture worldwide.

Italian 10–20–30 (5 credits each)

This is a three-course sequence. Students acquire basic communication skills, develop cultural sensitivity, and develop originality and creativity in language use.

Japanese Language and Culture 10–20–30 (5 credits each)

This is a three-course sequence subdivided into five stages, each of which has five sublevels. The five stages are Introduction to Japan, Japan Today, Japan and the World, Japan Tomorrow and a specialized area of study. Upon completion of the program, students achieve a minimum of all five levels at Stage Three, if they are not native speakers. If they are native speakers, they master all five levels at Stage Five.

Latin 10–20–30 (5 credits each)

This is a three-course sequence with an emphasis on language history. Students gain a knowledge of vocabulary and grammar as they relate to modern languages, as well as an appreciation of Latin's impact upon the history of language in general.

Spanish 10–20–30 (5 credits each)

This is a three-course sequence. Students develop basic communication skills, cultural sensitivity, and originality and creativity in language use.

Ukrainian 10–20–30 (5 credits each)

Ukrainian 10–20–30 is a three-course sequence. Students who began the study of Ukrainian in junior high school should follow the Ukrainian 10S–20S–30S sequence. Upon completion of the programs, students are able to express themselves on familiar topics in speech and in writing and read for information, as well as appreciate and understand the Ukrainian culture.

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Frequently Asked Questions

Question: *What is a credit?*
Answer: One credit is equivalent to the learner outcomes that most students can achieve in 25 hours of instruction. Students in Alberta are required to earn 100 credits to qualify for an Alberta High School Diploma.

Question: *Do students have spares?*
Answer: Students may choose to have study periods in senior high school depending upon their school's policies/guidelines. It is very possible for students to complete their high school diploma successfully and to have spares, particularly in their Grade 12 year, but planning for a full schedule is suggested.

Question: *How do students know which courses to take to prepare for post-secondary education?*
Answer: Students who have identified their post-secondary plans should consult their school counsellors and a calendar from the post-secondary institution of their choice to make sure they have the necessary prerequisite senior high school courses. Students should check each year for current information. Students are also encouraged to visit the Alberta Learning Information Service (ALIS) site at <http://www.alberta-learning.ab.ca>.

Question: *Are there accredited Catholic Universities and Colleges in Alberta?*
Answer: Yes, there are three: St. Joseph's College at University of Alberta, Edmonton; Newman Theological College, Edmonton; St. Mary's College, Calgary.

Question: *Can Religious Studies courses be applied to entrance requirements for college and/or university?*
Answer: Credits for Religious Studies 15, 25 and 35 are accepted and applied to a student's high school diploma requirements. Some college/university programs also accept Religious Studies 35 as a prerequisite for certain entry level courses. Specific details may be clarified when registering at the college/university of your choice.

Question: *Are tutors available?*
Answer: The best source of help for students is their classroom teacher. If extra tutoring is required, this is usually arranged privately at parental expense. Schools may be able to help by providing information about tutors.

Question: *Do students need to take all courses in the same sequence; e.g., Drama 10–20–30?*
Answer: No. Students are welcome to take a variety of courses. They are restricted only by the prerequisites required for each course.

Question: *Is a second language a requirement for university entrance?*
Answer: This is not a general requirement for Alberta universities. However, a second language can be used as an academic subject for entrance to several programs and in calculations for scholarships. It may also be used to calculate the academic average. Certain post-secondary faculties may require a second language. Students should consult the post-secondary institution of their choice regarding entrance requirements.

Question: *What happens if a Grade 12 student is short of credits after the first semester?*
Answer: It may be possible for such a student to complete the diploma requirements by taking extra courses, an extra semester, summer school, night school or distance learning. Please consult the student's school for assistance.

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Question: *Can a student return to senior high school to complete a high school diploma or upgrade courses following Grade 12?*
Answer: All students who are 19 or under as of September 1 of a school year have the right to attend school. School boards can designate specific schools for returning students.

Question: *Can parents request that their children have a particular teacher for a course?*
Answer: Most schools attempt to accommodate individual requests but are sometimes restricted because of enrollment and scheduling concerns.

Question: *How can I best assure that my child will have a positive experience in senior high school?*
Answer: Parents and teachers share a commitment to lifelong learning. Ongoing communication among parents, teachers and students is one way of ensuring success.

Question: *What does it mean to challenge a course?*
Answer: Students who believe that they have already achieved the outcomes for a senior high school course and can demonstrate their achievement may ask the school about how they can receive credits for the course without actually taking it. Usually, a course challenge will apply only to a course that is at a higher level in a course sequence, or is at a similar level in an alternative course sequence. This does not apply to diploma examination courses.

Question: *Are there provisions for special needs students writing a diploma examination?*
Answer: Yes. Contact the local school.

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Feedback

Curriculum Handbook for Parents: Catholic School Version 1999–2000

Senior High School

We would like to know what you think about this handbook. Are you a:

_____ Parent

_____ Teacher (please indicate level) ___ Division 3, ___ Division 4

_____ School Administrator (please indicate level) ___ Division 3, ___ Division 4

_____ District Administrator

_____ Other (please specify) _____

1. I found this document:
   - _____ extremely useful
   - _____ useful
   - _____ somewhat useful
   - _____ not very useful.

2. What could be done to make this document more useful?

   _____

   _____

   _____

   _____

3. Other comments and suggestions:

   _____

   _____

   _____

   _____

   _____

Thank you for your feedback.

Please send your response to:

Director, Curriculum Standards Branch
Alberta Learning
11160 Jasper Avenue
Edmonton, Alberta, Canada
T5K 0L2
Fax: 780–422–3745

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